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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,166A

DATE: 12/26/2002

TIME: 13:34:33

Input Set : A:\19624051.app

Output Set: N:\CRF4\12262002\I673166A.raw

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3 <110> APPLICANT: Le Gal, Frederique Anne
4           Guillot, Jean Gerard
5           Gabory-Segard, Hanne
6           Gras-Masse, Helene
7           Melnyk, Oleg
8           Tartar, Andre
10 <120> TITLE OF INVENTION: LIPOPETITIDES INDUCING T LYMPHOCYTIC CYTOTOXICITY
11           BEARING AT LEAST ONE AUXILIARY T EPITOPE, AND USES FOR
12           VACCINATION
14 <130> FILE REFERENCE: 102.174
16 <140> CURRENT APPLICATION NUMBER: 09/673,166A
17 <141> CURRENT FILING DATE: 2001-04-04
19 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00792
20 <151> PRIOR FILING DATE: 1999-04-06
22 <160> NUMBER OF SEQ ID NOS: 276
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
28 <211> LENGTH: 14
29 <212> TYPE: PRT
29 <213> ORGANISM: Clostridium tetanus
31 <220> FEATURE:
32 <223> OTHER INFORMATION: amino acids 830-843 of the tetanus toxin
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35 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
36 1 10
38 <210> SEQ ID NO: 2
40 <211> LENGTH: 14
41 <212> TYPE: PRT
42 <213> ORGANISM: Human Papillomavirus (HPV)
44 <220> FEATURE:
45 <223> OTHER INFORMATION: amino acids 48-61 of HIV RT protein
47 <400> SEQUENCE: 1
48 Gly Glu Ala Gly Phe Asp Arg Ala His Asn Ile Val Thr Phe
49 1 10
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 1
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> NAME REF: 11P11
58 <223> LOCATION: 1
59 <223> OTHER INFORMATION: N: H; C: (Gly, p-tyr) with a N-terminal acetyl
61 <400> SEQUENCE: 1

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63 Ser Ser Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
64 1 5 10 15
66 Ala Ala Ala Ala Ala Gly Ile Gly Ile Leu Thr Val
67 20 25
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71 <211> LENGTH: 18
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <221> NAME/KEY: LIPID
77 <222> LOCATION: (1)
78 <223> OTHER INFORMATION: dipalmitoyl-lysyl chain on N-terminal residue
80 <400> SEQUENCE: 4
81 Ser Ser Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
82 1 5 10 15
84 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
85 20 25
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 28
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <221> NAME/KEY: LIPID
95 <222> LOCATION: (1)
96 <223> OTHER INFORMATION: dipalmitoyl-lysyl chain on N-terminal residue
98 <400> SEQUENCE: 5
99 Gly Arg Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
100 1 5 10 15
102 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
103 20 25
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107 <211> LENGTH: 28
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <221> NAME/KEY: LIPID
113 <222> LOCATION: (1)
114 <223> OTHER INFORMATION: mon palmitoyl-lysyl chain on N-terminal residue
116 <400> SEQUENCE: 6
117 Ser Ser Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
118 1 5 10 15
120 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
121 20 25
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 18
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <221> NAME/KEY: LIPID

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PATENT APPLICATION: US/09/673,166A

DATE: 12/06/2007

TIME: 13:30:53

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131 <210> LOCATION: 1
132 <211> OTHER INFORMATION: nonyl-palmitoyl-lysyl chain on N-terminal residue
133 <400> SEQUENCE: 3
134 Gly Arg Gln Tyr Ile Lys Ala Asn Ser Lys Ile Ile Gly Ile Thr Glu
135 1 5 10 15
136 Arg Gly Arg Ala Ala Gly Ile Gly Ile Leu Thr Val
137 20 25
142 <210> SEQ ID NO: 7
143 <211> LENGTH: 16
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
148 <223> OTHER INFORMATION: A hydrazine is bound between the N-terminal lysine
149 and isoleucine at position 2
151 <400> SEQUENCE: 8
152 Lys Ile Leu Lys Glu Pro Val His Gly Val
153 1 5 10
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 18
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: aldehyde group bound to N- terminal residue
164 <220> FEATURE:
165 <221> NAME/KEY: LIPID
166 <222> LOCATION: (15)
167 <223> OTHER INFORMATION: palmitoyl chain on C-terminal lysine residue
169 <400> SEQUENCE: 9
170 Arg Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Lys
171 1 5 10 15
174 <210> SEQ ID NO: 10
175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
178 <220> FEATURE:
180 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
181 myeloid leukemia translocation)
183 <400> SEQUENCE: 10
184 Glu Asp Ala Glu Leu Asn Pro Arg Phe
185 1 5
188 <210> SEQ ID NO: 11
189 <211> LENGTH: 9
190 <212> TYPE: PRT
191 <213> ORGANISM: Homo sapiens
192 <220> FEATURE:
194 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
195 myeloid leukemia translocation)
197 <400> SEQUENCE: 11
198 Ser Glu Leu Asp Leu Glu Lys Gly Leu

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PATENT APPLICATION: US/09/673,166A

DATE: 12/26/02 02

TIME: 13:31:33

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149 <220> FEATURE:
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152 <400> SEQUENCE: 12
153 Asp Glu Leu Glu Ala Val Pro Arg Ile
154 1 5
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 9
157 <212> TYPE: PRT
158 <213> ORGANISM: Homo sapiens
159 <220> FEATURE:
160 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
161 myeloid leukemia translocation)
162 <400> SEQUENCE: 13
163 Lys Glu Asp Ala Leu Gln Arg Pro Val
164 1 5
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 9
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
169 <220> FEATURE:
170 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
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172 <400> SEQUENCE: 14
173 Glu Asp Ala Leu Gln Arg Pro Val Ala
174 1 5
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176 <211> LENGTH: 9
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178 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
181 myeloid leukemia translocation)
182 <400> SEQUENCE: 15
183 Gly Glu Lys Leu Arg Val Leu Gly Tyr
184 1 5
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186 <211> LENGTH: 9
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapiens
189 <220> FEATURE:
190 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
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192 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,166A

DATE: 12/03/2002

TIME: 13:31:33

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262 1 1
263 <210> SEQ ID NO: 17
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265 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
267 <220> FEATURE:
268 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
269 myeloid leukemia translocation)
270 <400> SEQUENCE: 17
271 Met Glu Tyr Leu Glu Lys Lys Asn Phe
272 1 5
273 <210> SEQ ID NO: 18
274 <211> LENGTH: 9
275 <212> TYPE: PRT
276 <213> ORGANISM: Homo sapiens
277 <220> FEATURE:
278 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
279 myeloid leukemia translocation)
280 <400> SEQUENCE: 18
281 Asn Glu Glu Ala Ala Asp Glu Val Phe
282 1 5
283 <210> SEQ ID NO: 19
284 <211> LENGTH: 9
285 <212> TYPE: PRT
286 <213> ORGANISM: Homo sapiens
287 <220> FEATURE:
288 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
289 myeloid leukemia translocation)
290 <400> SEQUENCE: 19
291 Val Asn Gln Glu Arg Phe Arg Met Ile
292 1 5
293 <210> SEQ ID NO: 20
294 <211> LENGTH: 9
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
297 <220> FEATURE:
298 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
299 myeloid leukemia translocation)
300 <400> SEQUENCE: 20
301 Leu Phe Glu Lys Leu Ala Ser His Leu
302 1 5
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 9
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapiens
307 <220> FEATURE:
308 <223> OTHER INFORMATION: epitope from BCR-ABL fusion protein (chronic
309 myeloid leukemia translocation)

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VERIFICATION SUMMARY

DATE: 12/26/2002

PATENT APPLICATION: US/09/673,166A

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